



Combined Declaration and Power of Attorney for Patent Application

Docket Number: 0942.5450007/RWE/SJE

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled **Viral Vectors Containing Recombination Sites**, the specification of which is attached hereto unless the following box is checked:

was filed on July 18, 2003;
as United States Application Number or PCT International Application Number 10/622,088; and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

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I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or (f) or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application, which designated at least one country other than the United States of America, listed below, and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Applications(s): | | | Priority Claimed |
|--------------------------------|-----------|------------------------|--|
| (Application No.) | (Country) | (Day/Month/Year Filed) | <input type="checkbox"/> Yes <input type="checkbox"/> No |
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Send Correspondence to: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Washington, D.C. 20005-3934

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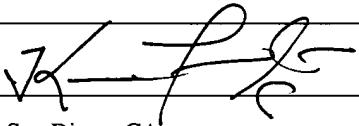
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| | |
|------------------------------|--|
| Full name of first Inventor: | Robert P. BENNETT |
| Signature of first Inventor: | Date: |
| Residence: | Encinitas, CA |
| Citizenship: | U.S.A. |
| Mailing Address: | 1269 Rainbow Ridge Lane, Encinitas, CA 92024 |

| | |
|-------------------------------|---|
| Full name of second Inventor: | Peter J. WELCH |
| Signature of second Inventor: | Date: |
| Residence: | San Diego, CA |
| Citizenship: | U.S.A. |
| Mailing Address: | 4689 E. Talmadge Drive, San Diego, CA 92116 |

| | |
|------------------------------|---|
| Full name of third Inventor: | Steven HARWOOD |
| Signature of third Inventor: | Date: |
| Residence: | Oceanside, CA |
| Citizenship: | U.S.A. |
| Mailing Address: | 5672 Stetson Place, Oceanside, CA 92057 |

| | |
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| Full name of fourth Inventor: | Knut MADDEN |
| Signature of fourth Inventor: | |
| Residence: | Carlsbad, CA |
| Citizenship: | U.S.A. |
| Mailing Address: | 2705 Glasgow Drive, Carlsbad, CA 92008 |

| | |
|------------------------------|---|
| Full name of fifth Inventor: | Kenneth FRIMPONG |
| Signature of fifth Inventor: |  |
| Date: | 5/14/04 |
| Residence: | San Diego, CA |
| Citizenship: | GHANA |
| Mailing Address: | 4152 Camino Ticino, San Diego, CA 92122 |

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| Full name of sixth Inventor: | Kenneth E. FRANKE |
| Signature of sixth Inventor: | |
| Date: | |
| Residence: | Gaithersburg, MD |
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| Mailing Address: | 9934 Shelburne Terrace #308, Gaithersburg, MD 20878 |

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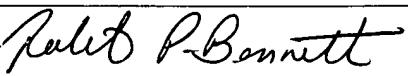
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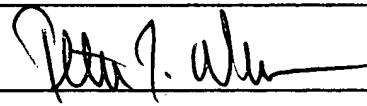
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| Signature of second inventor |  3/17/04 Date |
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| Signature of fourth inventor | Date |
| Residence | Carlsbad, CA |
| Citizenship | U.S.A |
| Mailing Address | 2705 Glasgow Drive, Carlsbad, CA 92008 |
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| Full name of fifth inventor | Kenneth FRIMPONG |
| Signature of fifth inventor | Date |
| Residence | San Diego, CA |
| Citizenship | U.S.A. |
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| Full name of sixth inventor | Kenneth E. FRANKE |
| Signature of sixth inventor | |
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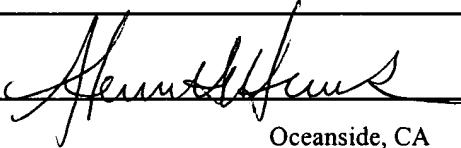
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| Full name of fifth inventor | Kenneth FRIMPONG ✓ | |
| Signature of fifth inventor | Date | |
| Residence | San Diego, CA | |
| Citizenship | U.S.A. | |
| Mailing Address | 4152 Camino Ticino, San Diego CA 92122 | |
| <hr/> <hr/> | | |
| Full name of sixth inventor | Kenneth E. FRANKE | |
| Signature of sixth inventor | | |
| Residence | Gaithersburg, MD | |
| Citizenship | U.S.A. | |
| Mailing Address | 9934 Shelburne Terrace #308, Gaithersburg, MD 20878 | |



MAY 21 2004

50117

Combined Declaration and Power of Attorney for Patent Application

Docket Number: 0942.5450007/RWE/B-C

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled Viral Vectors Containing Recombination Sites, the specification of which is attached hereto unless the following box is checked:

was filed on July 18, 2003;
as United States Application Number or PCT International Application Number 10/622,088; and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or (f) or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application, which designated at least one country other than the United States of America, listed below, and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application(s) | Priority Claimed | | |
|------------------------------|------------------|------------------------|--|
| (Application No.) | (Country) | (Day/Month/Year Filed) | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| (Application No.) | (Country) | (Day/Month/Year Filed) | <input type="checkbox"/> Yes <input type="checkbox"/> No |

I hereby appoint the following attorney(s) and/or agent(s) associated with **CUSTOMER NUMBER 28393** to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, such attorneys currently being:

Robert G. Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688; Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; John M. Covert, Esq., Reg. No. 38,759; Linda E. Alcorn, Esq., Reg. No. 39,588; Lawrence B. Bugaisky, Esq., Reg. No. 35,086; Donald J. Featherstone, Esq., Reg. No. 33,876; Robert C. Millonig, Esq., Reg. No. 34,395; Michael V. Messinger, Esq., Reg. No. 37,575; Judith U. Kim, Esq., Reg. No. 40,679; Timothy J. Shea, Jr., Esq., Reg. No. 41,306; and Patrick E. Garrett, Esq., Reg. No. 39,987.

Send Correspondence to:

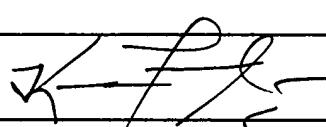
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | |
|-------------------------------------|--|
| Full name of sole or first inventor | Robert P. BENNETT |
| Signature of sole or first inventor | Date |
| Residence | Encinitas, CA |
| Citizenship | U.S.A. |
| Mailing Address | 1269 Rainbow Ridge Lane, Encinitas, CA 92024 |
| | |
| Full name of second inventor | Peter J. WELCH |
| Signature of second inventor | Date |
| Residence | San Diego, CA |
| Citizenship | U.S.A. |
| Mailing Address | 4689 E. Talmadge Drive, San Diego, CA 92116 |
| | |
| Full name of third inventor | Steven HARWOOD |
| Signature of third inventor | Date |
| Residence | Oceanside, CA |
| Citizenship | U.S.A. |
| Mailing Address | 5672 Stetson Place, Oceanside, CA 92057 |

| | |
|------------------------------|---|
| Full name of fourth inventor | Knut MADDEN |
| Signature of fourth inventor | Date |
| Residence | Carlsbad, CA |
| Citizenship | U.S.A |
| Mailing Address | 2705 Glasgow Drive, Carlsbad, CA 92008 |
| | |
| Full name of fifth inventor | Kenneth FRIMPONG ✓ |
| Signature of fifth inventor |  Date March 17, 2004 |
| Residence | San Diego, CA |
| Citizenship | U.S.A. |
| Mailing Address | 4152 Camino Ticino, San Diego CA 92122 |
| | |
| Full name of sixth inventor | Kenneth E. FRANKE |
| Signature of sixth inventor | |
| Residence | Gaithersburg, MD |
| Citizenship | U.S.A. |
| Mailing Address | 9934 Shelburne Terrace #308, Gaithersburg, MD 20878 |



Combined Declaration and Power of Attorney for Patent Application

Docket Number: 0942.5450007/RWE/SJE

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled **Viral Vectors Containing Recombination Sites**, the specification of which is attached hereto unless the following box is checked:

was filed on July 18, 2003;
as United States Application Number or PCT International Application Number 10/622,088; and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or (f) or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application, which designated at least one country other than the United States of America, listed below, and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Applications(s):

| (Application No.) | (Country) | (Day/Month/Year Filed) | Priority Claimed |
|-------------------|-----------|------------------------|--|
| (Application No.) | (Country) | (Day/Month/Year Filed) | <input type="checkbox"/> Yes <input type="checkbox"/> No |

I hereby appoint the following attorneys and/or agents associated with **CUSTOMER NUMBER 28393** to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, such attorneys currently being:

Robert Greene Sterne, Esq., Registration No. 28,912; Edward J. Kessler, Esq., Registration No. 25,688; Jorge A. Goldstein, Esq., Registration No. 29,021; David K.S. Cornwell, Esq., Registration No. 31,944; Robert W. Esmond, Esq., Registration No. 32,893; Tracy-Gene G. Durkin, Esq., Registration No. 32,831; Michele A. Cimbala, Esq., Registration No. 33,851; Michael B. Ray, Esq., Registration No. 33,997; Robert E. Sokohl, Esq., Registration No. 36,013; Eric K. Steffe, Esq., Registration No. 36,688; Michael Q. Lee, Esq., Registration No. 35,239; Steven R. Ludwig, Esq., Registration No. 36,203; John M. Covert, Esq., Registration No. 38,759; Linda E. Alcorn, Esq., Registration No. 39,588; Lawrence B. Bugaisky, Esq., Registration No. 35,086; Donald J. Featherstone, Esq., Registration No. 33,876; Robert C. Millonig, Esq., Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; Patrick E. Garrett, Esq., Registration No. 39,987..

Send Correspondence to: **STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.**
1100 New York Avenue, N.W.
Washington, D.C. 20005-3934

Direct Telephone Calls to: (202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

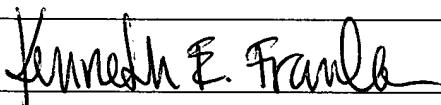
| | |
|------------------------------|--|
| Full name of first Inventor: | Robert P. BENNETT |
| Signature of first Inventor: | Date: |
| Residence: | Encinitas, CA |
| Citizenship: | U.S.A. |
| Mailing Address: | 1269 Rainbow Ridge Lane, Encinitas, CA 92024 |

| | |
|-------------------------------|---|
| Full name of second Inventor: | Peter J. WELCH |
| Signature of second Inventor: | Date: |
| Residence: | San Diego, CA |
| Citizenship: | U.S.A. |
| Mailing Address: | 4689 E. Talmadge Drive, San Diego, CA 92116 |

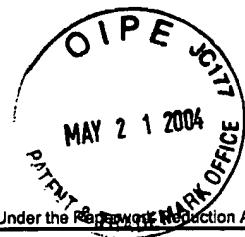
| | |
|------------------------------|---|
| Full name of third Inventor: | Steven HARWOOD |
| Signature of third Inventor: | Date: |
| Residence: | Oceanside, CA |
| Citizenship: | U.S.A. |
| Mailing Address: | 5672 Stetson Place, Oceanside, CA 92057 |

| | |
|-------------------------------|--|
| Full name of fourth Inventor: | Knut MADDEN |
| Signature of fourth Inventor: | Date: |
| Residence: | Carlsbad, CA |
| Citizenship: | U.S.A. |
| Mailing Address: | 2705 Glasgow Drive, Carlsbad, CA 92008 |

| | |
|------------------------------|---|
| Full name of fifth Inventor: | Kenneth FRIMPONG |
| Signature of fifth Inventor: | Date: |
| Residence: | San Diego, CA |
| Citizenship: | U.S.A. |
| Mailing Address: | 4152 Camino Ticino, San Diego, CA 92122 |

| | |
|------------------------------|---|
| Full name of sixth Inventor: | Kenneth E. FRANKE |
| Signature of sixth Inventor: |  |
| Date: | 4/22/04 |
| Residence: | Gaithersburg, MD |
| Citizenship: | U.S.A. |
| Mailing Address: | 9934 Shelburne Terrace #308, Gaithersburg, MD 20878 |

259077.1



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PTO/SB/96 (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(b)

0942.5450007/RWE/SJE

Applicant/Patent Owner: Bennett, et al.

Application No./Patent No.: 10/622,088 Filed/Issue Date: July 18, 2003

Entitled: Viral Vectors Containing Recombination Sites

Inytiogen Corporation, a corporation
(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or

2. an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ % in the patent application patent identified above by virtue of either:

A. [] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. [] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

[X] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

May 20, 2004

Date

760-603-7200

Telephone number

Alan W. Hammond

Typed or printed name

Signature

Chief IP Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: (1) **Robert P. BENNETT**, (2) **Peter J. WELCH**, (3) **Steven HARWOOD**, (4) **Knut MADDEN**, (5) **Kenneth FRIMPONG** and (6) **Kenneth E. FRANKE**, the undersigned inventors hereby sell and assign to **Invitrogen Corporation**, a corporation formed under the laws of Delaware (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

*SPG # 35,086
5/21/04*

(a) in the invention known as **Viral Vectors Containing Recombination Sites** for which application(s) for patent in the United States of America has (have) been executed by the undersigned on (1) 4/30/04 (2) _____ (3) _____ (4) _____ (5) _____ and (6) _____ (also known as United States Application No. 10/622,088, filed July 18, 2003), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant Robert Greene Sterne, Esq., Registration No. 28,912; Edward J. Kessler, Esq., Registration No. 25,688; Jorge A. Goldstein, Esq., Registration No. 29,021; David K.S. Cornwell, Esq., Registration No. 31,944; Robert W. Esmond, Esq., Registration No. 32,893; Tracy-Gene G. Durkin, Esq., Registration No. 32,831; Michele A. Cimbala, Esq., Registration No. 33,851; Michael B. Ray, Esq., Registration No. 33,997; Robert E. Sokohl, Esq., Registration No. 36,013; Eric K. Steffe, Esq., Registration No. 36,688; Michael Q. Lee, Esq., Registration No. 35,239; Steven R. Ludwig, Esq., Registration No. 36,203; John M. Covert, Esq., Registration No. 38,759; Linda E. Alcorn, Esq., Registration No. 39,588; Lawrence B. Bugaisky, Esq., Registration No. 35,086; Donald J. Featherstone, Esq., Registration No. 33,876; Robert C. Millonig, Esq., Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; Patrick E. Garrett, Esq., Registration No. 39,987; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name,

Date: 4/30/04

Signature of Inventor: Robert P. Bennett
(1) Robert P. BENNETT

Date: _____

Signature of Inventor: _____
(2) Peter J. WELCH

Date: _____

Signature of Inventor: _____
(3) Steven HARWOOD

Date: _____

Signature of Inventor: _____
(4) Knut MADDEN

Date: _____

Signature of Inventor: _____
(5) Kenneth FRIMPONG

Date: _____

Signature of Inventor: _____
(6) Kenneth E. FRANKE

259050.1

**DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION**

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): 1) Robert P. BENNETT 2) Peter J. WELCH 3) Steven HARWOOD 4) Knut MADDEN 5) Kenneth FRIMPONG and 6) Kenneth E. FRANKE, the undersigned inventor(s) hereby sell(s) and assign(s) to Invitrogen Corporation (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

for the United States of America (as defined in 35 U.S.C. § 100),
 and throughout the world,

193
Reg. #35,086
5/21/04

(a) in the invention(s) known as Viral Vectors Containing Recombination Sites for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 1) _____ 2) 3/17/04 3) _____ 4) _____ 5) _____ and 6) _____ also known as United States Application No. 10/622,088, filed July 18, 2003, in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s)

DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION

thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; Robert C. Millonig, Esquire, Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; and Patrick E. Garrett, Esq., Registration No. 39,987; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: _____ Signature of Inventor: _____
Robert P. BENNETT

Date: 3/17/04 Signature of Inventor: Peter J. Welch
Peter J. WELCH

Date: _____ Signature of Inventor: _____
Steven HARWOOD

Date: _____ Signature of Inventor: _____
Knut MADDEN

Date: _____ Signature of Inventor: _____
Kenneth FRIMPONG

Date: _____ Signature of Inventor: _____
Kenneth E. FRANKE

::ODMA\HODMA\SKGF_DC1;194139;1

**DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION**

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): 1) Robert P. BENNETT 2) Peter J. WELCH 3) Steven HARWOOD 4) Knut MADDEN 5) Kenneth FRIMPONG and 6) Kenneth E. FRANKE, the undersigned inventor(s) hereby sell(s) and assign(s) to Invitrogen Corporation (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

for the United States of America (as defined in 35 U.S.C. § 100),
 and throughout the world,

(a) in the invention(s) known as Viral Vectors Containing Recombination Sites for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 1) _____ 2) _____ 3) 3/16/04 4) _____ 5) _____ and 6) _____ also known as United States Application No. 10/622,088, filed July 18, 2003), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

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thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

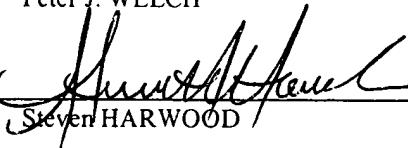
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IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: _____ Signature of Inventor: _____
Robert P. BENNETT

Date: _____ Signature of Inventor: _____
Peter J. WELCH

Date: 3/18/04 Signature of Inventor: 
Steven HARWOOD

Date: _____ Signature of Inventor: _____
Knut MADDEN

Date: _____ Signature of Inventor: _____
Kenneth FRIMPONG

Date: _____ Signature of Inventor: _____
Kenneth E. FRANKE

::ODMA\MHODMA\SKGF_DC1;194139;1

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): 1) Robert P. BENNETT 2) Peter J. WELCH 3) Steven HARWOOD 4) Knut MADDEN 5) Kenneth FRIMPONG and 6) Kenneth E. FRANKE, the undersigned inventor(s) hereby sell(s) and assign(s) to Invitrogen Corporation (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

for the United States of America (as defined in 35 U.S.C. § 100),
 and throughout the world,

(a) in the invention(s) known as Viral Vectors Containing Recombination Sites for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 1) _____ 2) _____ 3) _____ 4) 3/16/04 *103* PT#35,086
5) _____ and 6) _____ also known as United States Application No. 3/21/04
10/622,088, filed July 18, 2003), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

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Date: _____ Signature of Inventor: _____
Robert P. BENNETT

Date: _____ Signature of Inventor: _____
Peter J. WELCH

Date: _____ Signature of Inventor: _____
Steven HARWOOD

Date: 3/16/04 Signature of Inventor: _____

Knut MADDEN

Date: _____ Signature of Inventor: _____
Kenneth FRIMPONG

Date: _____ Signature of Inventor: _____
Kenneth E. FRANKE

::ODMA\MHODMA\SKGF_DC1\194139;1

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check applicable box(es)

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 and throughout the world,

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5) 3/12/04 and 6) _____ also known as United States Application No. 10/622,088, filed July 18, 2003), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

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5/21/04

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(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

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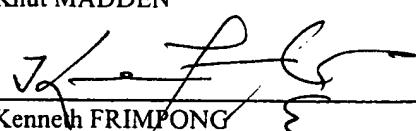
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Date: _____ Signature of Inventor: _____
Robert P. BENNETT

Date: _____ Signature of Inventor: _____
Peter J. WELCH

Date: _____ Signature of Inventor: _____
Steven HARWOOD

Date: _____ Signature of Inventor: _____
Knut MADDEN

Date: March 17, 2004 Signature of Inventor: _____
Kenneth FRIMPONG 

Date: _____ Signature of Inventor: _____
Kenneth E. FRANKE

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(1) _____ (2) _____ (3) _____ (4) _____ (5) _____ and (6) 4422104 (also 733
known as United States Application No. 10/622,088, filed July 18, 2003), in any and all applications 135,086
thereon, in any and all Letters Patent(s) therefor, and 5/21/04

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

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Date: _____ Signature of Inventor: _____
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Date: _____ Signature of Inventor: _____
(3) Steven HARWOOD

Date: _____ Signature of Inventor: _____
(4) Knut MADDEN

Date: _____ Signature of Inventor: _____
(5) Kenneth FRIMPONG

Date: 4/22/04 Signature of Inventor: Kenneth E. Franke
(6) Kenneth E. FRANKE

259050.1

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